

July 17, 2015

MEMORANDUM FOR: Distribution Email

FROM: Christine Caruso Magee  
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SUBJECT: Scheduled Operational Changes and Upgrades for  
CPC, OPC, and WPC

The following accelerated items were implemented this past week:

RFC #374 – Increased processing of ESRL's HRRR GRIB files from f15 to f22, as they have now become available on the Netapp to f22. Implemented on July 13 at 1200Z. (WPC)

RFC #375 – Made a change to the Autoforecast initiation to correct loop indexing under circumstances where one or more of the model input fields is missing. Resetting the loop variable within an error trap was causing the loop to delay beyond the desired drop-dead time. Implemented on July 13 at 1200Z. (CPC)

RFC #376 – NCO Silver Spring (formerly known as the TOC) has requested OPC send files in parallel to their new FTPS server. Over the past several days it has been observed that occasionally the FTPS server seems to be taking a long time to finish the file transfers from OPC. This update to script 'send to TOC\_ftps.pl' adds more logging to the identified script to better determine where the latency might be occurring. Implemented on July 13 at 1900Z. (OPC)

RFC #377 - Updated numerous subscripts of the LRF Probability of Exceedance (POE) process which had apparently been omitted from (or overwritten in) previous updates. Added further documentation and logging to this legacy process. Implemented on July 15 at 1200Z. (CPC)

RFC #378 – Shortened the loop count in the ERF Auto sequence by one loop to run the product generation earlier. Done to meet the 11:00 am ET product delivery deadline. Implemented on July 16 at 1200Z. (CPC)

RFC #379 - Script 'spf\_personalize.csh' was updated to allow a WPC forecaster to use his SPFs on OPC workstations as he is covering shifts for OPC. Implemented on July 16 at 1330Z. (OPC)

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The following will be implemented the week of July 20, 2015:

RFC #380 - Satellite Proving Ground NMAP2 July Updates – Table 'imgtyp.tbl' has been updated to add all Himawari bands (16), GOES-R bands (16), CIRA Layered Precipitable Water, and Himawari Air Mass RGB. In addition, old satellites have been deleted to make the table more manageable. To be implemented on July 20 at 1130Z. (OPC)

RFC #381 - Move the software that generates icing rate grids and gifs into Compute Farm operations. The number of domains processed has been reduced to 3 (Alaska, Hudson-Baffin, and West Atlantic). The processing updates the web and \$DATA. All other domains processed previously are being discontinued with this RFC. The script 'Ice\_edge\_freezsp.csh' draws ice edge on Freezing Spray images for the web. The cron entry is being changed to use the Matlab VM. To be implemented on July 20 at 1430Z. (OPC)

RFC #382 - Implement probability scales on the LRF temperature & precipitation official GIF images. To be implemented on July 21 at 1200Z. (CPC)

RFC #383 - Implement new version of ERF Auto-forecast. This new version includes: adding code to reformat output forecast results for ingest by the Verification Web Tool (VWT) database; adding documentation to sections in the script where it was absent, unclear, or otherwise lacking. To be implemented on July 21 at 1200Z. (CPC)

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The following CPC OPC WPC RFC(s) are in progress:

RFC #368 – 72 hour Arctic Charts – Created a 72-hour Pacific Arctic surface chart at the urgent request of Alaska Region Headquarters for U.S. Bureau of Ocean Energy Management DSS briefings. This includes the scripts and table changes needed for the forecaster to create a starting vgf and create a gif image and disseminate that image on the OPC web page in an unlinked location. It also includes updates to monitoring scripts and web pages. Was to have been implemented from July 9 through July 16. OPC/OAB is waiting on OPC management approval before implementing this change. New implementation date TBD. (OPC)

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The following NCO RFCs to be implemented the week of July 20, 2015 may affect CPC, OPC, and/or WPC:

RFC #1123 – Implement a software update to the NWSBot software that posts products in NWSSchat. The date/time stamps are being fixed to be completely valid XHTML. Some parsers were breaking on the date/time stamp. The

NWSBot service will be restarted, but there should be no noticeable impact to NWSSChat users. To be implemented on July 22 at 1600Z.

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The following NCO RFC(s) are in progress and may affect the local Centers:

RFC #1096 – WCOSS: SP5 Software Upgrade v5.0 - IBM will apply the Service Pack 5 software upgrade to the WCOSS systems. Included in this upgrade are changes to RHEL, GPFS, IBM PE, IBM xCAT and several other components. IBM software support has released its latest HPC software stack service pack and is urging all x86\_64 based Infinisband HPC Cluster customers to apply it to maximize product support, and address some known system issues. To be implemented on Tide on July 16 through July 17. Gyre will be completed in August.

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Please note that security-related RFCs are never listed in the RFC memo.

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#### ---- OPERATIONAL ANNOUNCEMENTS ----

1. The CPC/OPC/WPC Configuration Management documents are available at <https://sites.google.com/a/noaa.gov/nws-ncep-nco-cm/>.

Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.